(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property **Organization**

International Bureau





(43) International Publication Date 28 October 2004 (28.10.2004)

PCT

(10) International Publication Number WO 2004/092414 A1

(51) International Patent Classification7:

C12Q 1/68

(21) International Application Number:

PCT/IB2004/001462

(22) International Filing Date: 19 April 2004 (19.04.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 03290958.2

17 April 2003 (17.04.2003) EP

(71) Applicants (for all designated States except US): CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) [FR/FR]; 3, Rue Michel Ange, F-75016 Paris (FR). UNIVERSITÉ CLAUDE BERNARD LYON 1 [FR/FR]; 43, bvd du 11 Novembre 1918, F-69100 Villeurbanne (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BEZIN, Laurent, Georges, Bernard [FR/FR]; 122, rue Saint-Georges, F-69005 Lyon (FR). MORALES, Anne, Catherine [FR/FR]; 12 E Impasse Lafontaine, F-69500 Bron (FR).

(74) Agents: MARTIN, Jean-Jacques et al.; Cabinet Regimbeau, 20, rue de Chazelles, F-75847 Paris Cedex 17 (FR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

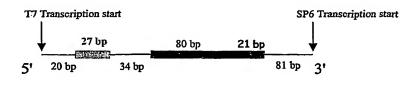
of inventorship (Rule 4.17(iv)) for US only

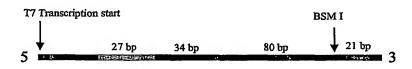
Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF CALIBRATION OF REVERSE TRANSCRIPTION USING A SYNTHETIC MESSENGER RNA (SM-RNA) AS AN INTERNAL CONTROL





(57) Abstract: The invention pertains to the field of reverse transcription reactions and relates to a new method of calibration with a synthetic messenger RNA (SmRNA). It is aimed at a synthetic messenger RNA (SmRNA) designed for normalization of reverse transcription reaction of mRNAs of a biological sample, wherein said SmRNA does not compete with target mRNAs amplification and does not interfere with the reverse transcription of endogenous mRNAs of said sample.

